
**Devil's Gate and Eaton
Stormwater Flood Management Project****Program Preferences****Program Preferences**

The Devil's Gate and Eaton Stormwater Flood Management Project (Project) meets one of the eight Program Preferences identified in the Proposition 84 & Proposition 1E Guidelines. The Program Preference met is **Address Statewide Priorities**. The following paragraphs describe how the Project meets three of the Statewide Priorities, the certainty that the Statewide Priorities will be met, and the breadth and magnitude to which the Statewide Priorities will be met. The Statewide Priorities are listed in the order that they appear in the Proposition 84 & Proposition 1E Guidelines.

Statewide Priority: Drought Preparedness

The Project will address Drought Preparedness by contributing to the sustainable water supply, allowing more efficient management of the Raymond Basin, and establishing system interties. Improvements made to the existing Eaton Wash Dam will ensure that the outlet gates continue to function and perform water conservation activities. Improvements at Eaton Wash Spreading Grounds will provide increased storage and intake capacities that will maximize its ability for groundwater recharge.

Sediment removal from Devil's Gate Reservoir will create an additional 1240 acre-feet of storage capacity that can be used to store stormwater from the Arroyo Seco Watershed. The interconnection pipeline between the Devil's Gate Dam and the Eaton Wash Dam will create a recharge opportunity for the stormwater that currently passes through Devil's Gate Dam and continues to the ocean.

The Project components will conjunctively supply an additional average recharge of 6,570 acre-feet per year. Completion of the five components of this Project is very certain to meet the Drought Preparedness Statewide Priority by combining increased water conservation storage, system interties, and improved operational efficiency to provide a more reliable and sustainable groundwater recharge system to replenish the Raymond Basin.

Statewide Priority: Use and Reuse Water More Efficiently

Improvements made to Devil's Gate Dam will allow the District to capture and store urban runoff which will be recharged to the Raymond Basin, thereby contributing to the Use and Reuse Water More Efficiently Statewide Priority. Approximately 31.9 square miles of tributary area to the Devil's Gate Dam will contribute stormwater runoff. This recharge of stormwater runoff is accounted for in the Drought Preparedness Statewide Priority, which is very certain to be met by the Project.

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The main purpose of the Project is to meet the Practice Integrated Flood Management Statewide Priority. The improvement to the Eaton Wash Dam and Devil's Gate Dam and Reservoir will provide the benefits listed in the guidelines as follows:

- Better emergency preparedness and response: Construction of the improvements at the Eaton Wash Dam will ensure that the facility meets the DSOD requirements for the Maximum Credible Earthquake, thus allowing it to be used for flood protection and water conservation and reduce the likelihood of emergencies due to flooding. In the event of a dam safety emergency resulting from seismic event, the Eaton Wash Dam outlet works will be capable of dewatering the reservoir to remove the risk of a catastrophic release of the reservoir. Modifications to the dam embankment will also improve the dam performance. Automated dam safety instrumentation to be installed to provide dam safety engineers with immediate feedback on the performance of the improvements following an earthquake. Construction of the improvements at Devil's Gate Dam will ensure that the facility has adequate capacity and is prepared to capture debris flows and stormwater runoff during a major design flood event. This will insure its continued use for flood protection and also reduce the likelihood of emergencies due to flooding.
- Improved flood protection: By constructing the seismic and structural improvements that meet the DSOD requirements, Eaton Wash Dam will provide improved flood protection when compared to the existing facility conditions. As discussed above, improvements at Devil's Gate Dam will ensure that the facility has adequate capacity and is prepared to capture debris flows and stormwater runoff during during a major design flood event. This will insure its continued protection of the downstream communities along the Arroyo Seco.
- More sustainable flood and water management systems: The improvements at the Devil's Gate and Eaton Wash Dam's will allow for water conservation storage that, in combination with the new pipeline, and Spreading Grounds modifications will allow the District to provide a more sustainable and reliable flood and water management system.

The completed project is certain to provide the benefits listed above that are part of the Practice Integrated Flood Management Statewide Priority. The breadth and magnitude of how this Project meets the Practice Integrated Flood Management Statewide Priority are detailed in

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the Technical Justification and the Flood Damage Reduction analysis and in the water conserved for the Drought Preparedness Statewide Priority.

Statewide Priority: Protect Surface Water and Groundwater Quality

The integrated components of this Project will allow the District to increase the amount of stormwater recharge into the Raymond Basin. Percolated stormwater is considered high quality water which will dilute the existing contaminants within the Basin, thereby safeguarding the health of residents who utilize groundwater from the Raymond Basin as their primary source of drinking water. Additionally, the Project will improve the surface water quality. Sediment removal from Devil's Gate Reservoir will reduce the turbidity of the water that is released to the Arroyo Seco.